Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 3/2/2017 12:17:37 PM
To: Sam Perkins [sam@catawbariverkeeper.org]; Detlef Knappe [knappe@ncsu.edu]; Lindstrom, Andrew [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=04bf7cf26aa44ce29763fbc1c1b2338e-Lindstrom, Andrew]; Haw River Assembly (info@hawriver.org) [info@hawriver.org]
CC: Matthew Starr [upperneuserk@soundrivers.org]
Subject: RE: FW: NEWS RELEASE: ECU immunotoxicity expert encourages regulations of harmful chemicals found in water and everyday products
Attachments: Jiang et al., 2012 Toxicology.pdf; Rushing et al., 2016 GenX immunotox.pdf; Wang et al., 2017 PFAS never ending story.pdf

Sam,

We have worked with Jamie since she was a fellow post doc here at the EPA before going to the ECU position.

We have had a few pubs together. Most recently on the immunotoxicology of GenX.

Jamie was also a recent co-author on the PFAS never ending story paper in ES&T referenced at the bottom.

Mark

From: Sam Perkins [mailto:sam@catawbariverkeeper.org]
Sent: Tuesday, February 28, 2017 4:59 PM
To: Detlef Knappe <knappe@ncsu.edu>; Lindstrom, Andrew <Lindstrom.Andrew@epa.gov>; Strynar, Mark <Strynar.Mark@epa.gov>; Haw River Assembly (info@hawriver.org) <info@hawriver.org>
Cc: Matthew Starr <upperneuserk@soundrivers.org>
Subject: FW: FW: NEWS RELEASE: ECU immunotoxicity expert encourages regulations of harmful chemicals found in water and everyday products

Curious, have y'all worked with Jamie before, or does she have particularly good research going on in NC?

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Sam Perkins

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From: Matthew Starr [mailto:upperneuserk@soundrivers.org]
Sent: Tuesday, February 28, 2017 4:27 PM
To: Sam Perkins <sam@catawbariverkeeper.org>
Subject: Fwd: FW: NEWS RELEASE: ECU immunotoxicity expert encourages regulations of harmful chemicals found in water and everyday products

FYI

From: ECUNEWS <ECUNEWS@ECU.EDU>
Date: Thursday, February 23, 2017 at 9:15 AM
Subject: NEWS RELEASE: ECU immunotoxicity expert encourages regulations of harmful chemicals found in water and everyday products

NEWS RELEASE

East Carolina University News Services

Contact: Amy Ellis, communication director, Brody School of Medicine, Ellisa14@ecu.edu

Telephone: (252) 744-3764

ECU immunotoxicity expert encourages regulations of harmful chemicals found in water and everyday products

GREENVILLE, N.C. (2/23/2017) — An international group of researchers including East Carolina University's Brody School of Medicine immunotoxicity expert Dr. Jamie DeWitt, co-authored a feature article in the most recent edition of the journal Environmental Science & Technology calling for regulation of an entire class of highly fluorinated chemicals.

Highly fluorinated chemicals, often referred to as per- and polyfluoroalkyl substances or PFASs, are synthetic compounds that have been produced for decades. They are particularly valuable in certain industrial and consumer applications including aqueous film forming foams. These foams are used for putting out high intensity fires and are used by military personnel and at airports where the risk of high-intensity fires can be high.

PFASs also are used to make items water-repellant, stain-resistant and nonstick. They can be found in products such as furniture, cosmetics, clothing, cookware and food packaging.

"Certainly, the compounds are important in keeping firefighters safe as they do their jobs, but are they necessary in keeping our cupcakes from sticking to the pan or for keeping our carpeting stain-free given the potential for their exposure to induce health effects? I think that if consumers are aware of their potential toxicity, they may want PFAS-free options for their products," said DeWitt.

The four researchers from the United States, Sweden and Switzerland explain that this class of chemicals does not break down and can remain in the environment for thousands of years. Remnants of these compounds have high detection levels in surface water.

A recent study lists North Carolina as a state with a high frequency of PFASs detected in water supplies with eastern North Carolina containing a significant proportion of the detections. Only California and New Jersey ranked higher than North Carolina.

"It is likely that both industrial and military activities contributed to this type of water contamination," said DeWitt.

Exposure to the most well-studied of these substances has been linked to kidney and testicular cancer, thyroid problems, elevated cholesterol, decreased fertility, changes in hormone functioning in adults and adverse developmental effects and decreased immune response in children.

"Companies like IKEA are putting consumer safety first and are removing these compounds from their textiles. PFAS-free is an option and consumers should be given the knowledge to make a decision that is the best for their homes, their families, and their lives," said DeWitt.

***About Dr. Jamie DeWitt**: DeWitt is an associate professor in the department of pharmacology and toxicology at East Carolina University's Brody School of Medicine. Her research centers on how exposure to emerging aquatic contaminants, such as PFASs and pharmaceutical and personal care product pollutants impact the adult and developing immune systems and lead to later-life diseases and disorders. In 2015, DeWitt edited the first comprehensive toxicology book on these compounds.*

***About East Carolina University and the Brody School of Medicine**: East Carolina University is located in Greenville, N.C. and is part of the 17-campus UNC system. With approximately 29,000 students, ECU is committed to student*

success, public service and regional transformation. The ECU Brody School of Medicine is a 40-year-old medical school with a strong primary care orientation. The school strives to increase the supply of primary care physicians to serve the state, improve the health status of citizens in eastern North Carolina and enhance the access of minority and disadvantaged students to a medical education.

Sources:

- A Never-Ending Story of Per- and Polyfluoroalkyl Substances (PFASs)?, Environmental Science & Technology Journal, http://pubs.acs.org/doi/abs/10.1021/acs.est.6b04806

- Detection of poly- and perfluoroalkyl substances (PFAS) in U.S. drinking water linked to industrial sites, military fire training areas, and wastewater treatment plants, ES&T Letters, 2016, 3:344-350), Hu et al. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5062567/

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